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## ENUMERANTUR PLANTAE DAKOTAE SEPTENTRIONALIS VASCULARES.—XIV.

ENUMERAVIT J. LUNELL.

### The Vascular Plants of North Dakota.—XIV.

With Notes by J. Lunell.

#### APPENDIX (*continued*).

All the following numbers previous to no. 1246 refer to certain plants recorded under the above heading in earlier issues of this journal and ought to be looked up.

Insert next after no. 4. *Cystopteris fragilis*:

THELYPTERIS Schmidel, Ic. Pl. & Am. Pavt. Manip., 1 sec. 1, p. 45.

1246. *Thelypteris Dryopteris* (Linn.) Slosson, Rydb. Fl. R. M. 1069. (1917).

*Polypodium Dryopteris* Linn. Sp. Pl. 1093. (1753).

In the sand hills near Anselm, Ransom Co. (O. A. Stevens).

41. *Alisma superbum*. Rydberg in Fl. R. M. 27. (1917) considers this identical with *A. brevipes* Greene.

72. *Torresia* Ruiz y Pavon, Prodr. 125. (1794) has displaced the older genus names *Hierochloe* and *Savastana* in the latest botanical nomenclature.

98. *Deyeuxia americana* (Scribn.) Lunell. *Calamagrostis americana* Scribn. in Rydb. & Shear U. S. Dept. Agr. Bull. Agrost. V. 27. *C. hyperborea* Kearney, not Lange.

100. *Deyeuxia elongata* (Kearney) Lunell. *Calamagrostis elongata* Rydb. Fl. R. M. 58 & 1060. (1917).

Insert next after no. 103, *Koeleria cristata*:

1247. *Koeleria gracilis* Pers. l. c. Prairies.

DANTHONIA DC. Fl. France 3:22. (1805).

1248. *Danthonia spicata* Beauv.; R. & S. Syst. 2:690. (1817).  
N. D. acc. to Britt. Man. (1901).

111. *Spartina pectinata* Bosc. ex Link, Jahrb. I. III. 92.  
(1829.) Older name.

Insert next before no. 123. *Daluca Hallii*:

1249. *Daluca campestris* (Rydb.) Luñell. *Festuca campestris*  
Rydb. Mem. N. Y. Bot. Gard. I:57. (1900), probably to replace no.  
123.

124. *Distichlis stricta* (Torr.) Rydb. Bull Torr. Bot. Club  
602 (1905). *D. spicata* Coult. & Nels., not Greene.

1250. *Paneion pratensiforme* (Rydb.) Lunell *Poa pratensi-*  
*formis* Rydb. Fl. R. M. 79. (p. 1060) 1917. *P. pseudopratensis*  
Scribn. & Rydb Contr. U. S. Nat. Herb. 3:531 1896. not *P. pseudo-*  
*pratensis* Beyer 1891. Leeds.

144. Replaced in Rydb. Fl. R. M. 84. (1917) by *Puccinellia*  
*Nuttalliana* (Schultes) Hitchc.

1252. *Zeia Griffithsii* (Scribn & Sm.) Lunell *Agropyron*  
*Griffithsii* Scribn & Sm. ex Piper Proc. Biol. Soc. Wash. XVIII.  
148. N. D. acc. to Rydb. Fl. R. M. (1917).

182. *Terrellia curvata* (Piper) Lunell. *Elymus curvatus* in  
Bull. Torr. Bot. Club 233. (1903).

1253. *Cyperus diandrus* Torr. Cat. Pl. N. Y. 99. (1879).  
In the sand hills near Anselm, Ransom Co. (O. A. Stevens).

194. *Eleocharis monticola laeviseta* Fern. reinstated in Rydb.  
Fl. R. M. 106. (1917.)

207. *Scirpus paludosus* A. Nels. Bull. Torr. Bot. Club.  
26:5. (1899). Vide Rydb. Fl. R. M. 110. (1917).

214. *Carex praegracilis* W. Boott in Coult. Bot. Gaz. IX:87.  
(1884) to replace this name.

1254. *Carex moniliformis* Britton in Geol. Survey N. Jersey  
II:278. (1889). N. D. acc. to Britt. Man. (1901).

1255. *Carex pubescens* Muhl.; Willd. Sp. Pl. 4:221. (1806).  
N. D. acc. to Britt. Man. (1901).

1256. *Carex tribuloides* Wahl. Kongl. Vet. Akad. Handl.  
(II.) 24:145. (1803). N. D. acc. to Britt. Man. (1901).

276. *Allium textile* Nels. & Macb. Bot. Gaz. 56:470. (1913).  
*A. reticulatum* Fraser, not Presl.

1257. *Bermudiana campestris* (Bicknell) Lunell. *Sisyrin-*  
*chium campestre* Bickn. in Bull Torr. Bot. Club 300. (1899).

N. D. acc. to Britt. Man. 1901, Gray Man. 1908 and Rydb. Fl. R. M. 1917.

298. *Limnorchis viridiflora* (Cham) Rydb. Torr. Bot. Club 28:616. (1901). *Habenaria hyperborea* Coult., not R. Br.

1258. *Ulmus fulva* Michx. Fl. Bor. Am. 1:173. (1803), acc. to Britt. Man. 1901.

348. *Lapathum maritimum* (Linn.) Lunell. *Rumex maritimus* Linn. Sp. Pl. 335. (1753). f. *R. persicarioides* Am. Authors, not Linn.

1259. *Polygonum buxiforme* Small in Bull. Torr. Bot. Club XXXIII:56. (1906) Leeds.

1260. *Polygonum neglectum* Besser, Enum. Pl. Volh. 45. Leeds.

1261. *Polygonum sawatchense* Small, Bull. Torr. Bot. Club XX:213. (1893). Leeds.

1262. *Polygonum achoreum* S. F. Blake in Rhodora XIX:232. (1917). Leeds, Towner.

1263. *Chenopodium desiccatum* A. Nels. Bot. Gaz. 34:362. (1902). Towner.

1264. *Atriplex confertifolia* (Torr.) Wats. Proc. Am. Acad. 9:119. (1874). Medora.

1265. *Corispermum nitidum* Kit. et Schult. Oestr. Fl. ed. 2, 1:7. (1814). Sheyenne River.

407. *Acnida altissima* Riddell ex Moq. in DC. Prodr. XIII: 2. 277.

1266. *Allionia diffusa* Heller, Minn. Bot. Stud. 2:33. (1898) N. D. acc. to Rydb. Fl. R. M. 1917.

SAPONARIA Linn. Sp. Pl. 408. (1753).

1267. *Saponaria officinalis* Linn. l. c. Leeds. Escape in old gardens.

Insert before 468, *Clematis virginiana*:

1268. *Clematis ligusticifolia* Nutt; T. & G. Fl. N. A. 1:9. (1838). West of the 100th mer.

477. *Plectornis virescens* (Nutt.) Lunell. *Delphinium virescens* Nutt. Gen. 2:14. (1818).

502. *Lesquerella arenosa* (Richards.) Rydb. in Bull Torr. Bot. Club 236. (1902.)

503. *Physaria brassicoides* Rydb. in Bull. Torr. Bot. Club 279. (1901).

523. *Turritis ovata* Pursh Fl. Am. Sept. 11:436. (1814).

*Arabis ovata* (Pursh) Poir. Encycl. Suppl. V:587. *A. hirsuta* Hook., not Scop.

1269. *Turritis Drummondii* (A. Gray) Lunell *Arabis Drummondii* A. Gray, Proc. Am. Acad. VI:187. Gray Man. V:69. *A. confinis* Wats. Proc. Am. Acad. XXII:466. Devils Lake.

524. *T. Drummondii* var. *brachycarpa* (Gray Man. V:69). *A. confinis* var. *brachycarpa* Wats. & Coult. in Gray Man. VI:67. This does not grow at Devils Lake, but is reported from other parts of the state. *A. dakotica* Greene is another relative unknown to us.

Insert after no. 529, *Brassica campestris*:

1270. *Brassica juncea* (Linn.) Corson, Bull. Soc. Bot. France 6:609, (1859).

*Sinapis juncea* Linn. Sp. Pl. 668. (1753). Leeds.

STANLEYA Nutt. Gen. 2:71. (1918).

1271. *Stanleya pinnata* (Pursh) Britt. Trans. N. Y. Acad. Sci. 8:62, (1888). Dakota acc. to Nels. Man. 1909.

1272. *Stanleya glauca* Rydb. Bull. Torr. Bot. Club 236. (1902). N. D. acc. to Rydb. Fl. R. M. 1917.

Insert after no. 136, *Peritoma serrulatum*:

1273. *Peritoma serrulatum* var. *clavatum* Lunell, var. nov. Siliquae crassae, clavatae, turgidae, Petala integra neque 3-dentata.

Pods thick, swelled, clavate, Petals entire, not 3-toothed. York, Aug. 9, and Sept. 2. 1918.

Insert after no. 540. *Parnassia palustris*:

1274. *Parnassia montanensis* Fern. & Rydb. in N. Amer. Fl. XXII:79. (1908).

Some of our plants no doubt belong here, while others exhibit characters of both this species and *P. palustris*,

Insert next after no. 551, *Pentaphyllum concinnum*:

1275. *Pentaphyllum divisum* (Rydb.) Lunell. *Potentilla divisa* Rydb. Fl. R. M. 416. (1917).

*Potentilla concinna divisa* Rydb. Bull. Torr. Bot. Club 23:431. Leeds.

1276. *Potentilla camporum* Rydb. in N. Am. Fl. XXII:319. (1908). Butte.

572. *Chamaerhodos Nuttallii* Pickering ex Rydb. in N. Am. Fl. XXII:377. (1908). *C. erecta* Hook, not Bunge.

Insert next before no. 585, *Eupatorium Brittonianum*:

1277. *Eupatorium gryposepalum* (Wallr.) Lunell. *Agrimonia gryposepala* Wallr. Beitr. Bot. I:49. (1840). *A. hirsuta* Bickn. Bull. Torr. Bot. Club 23:509. (1896). Turtle Mountains.

583. *Rubus pubescens* Raf. in Med. Repos. N. Y. Sec. III:11. 333. (1811).

1278. *Rosa alcea* Greene, Leaflets II:63. (1910). Devils Lake.

1279. *Rosa Engelmanni* S. Wats. Gard. & For. 2:376. (1889). N. D. acc. to Rydb. Fl. R. M. 1917.

1280. *Rosa Woodsii* Lindl. Mon. Ros. 21. (1820). N. D. acc. to Rydb. Fl. R. M. 1917.

Insert next before 598; *Amelanchier macrocarpa*:

1281. *Amelanchier leptodendron* Lunell, sp. nov.

#### ANALYTICAL KEY.

Leaves ovate or obovate, at least in the young leaves acute at both ends; racemes and petals small; a tree.....*A. leptodendron*

Leaves oblong with rounded apex and rounded or subcordate base; racemes and petals large; a shrub.....*A. macrocarpa*

Arbor teres, 3-5 m. alta, cortice plano cinereo, ramulis canis vel rubro-fuscis. Folia matura perviridia, utrimque glabra, firma, ovata—obovata, circumferentia basin versus plerumque angustata, magis minusve acuta vel cuneiformis, apice acuto, margine dimidio superiore irregulari-dentato. Florum racemi 2-3 cm. longi, pedicelli 0.5—1 cm. longi, sepala triangulari-lanceolata vel latiora, petala spathulata, 5-6 mm. longa. Racemi pomiferi 5 cm. longi. Pomum parvum, 5 mm. diametro. Gemmae hiemales pubescentes.

A slender tree (scarcely appearing as a brush, as I have been unable to discover any branching-out from the ground), 3-5 m. high, with smooth, ashy gray bark and gray or reddish twigs. Leaves after maturity bright green, glabrous on both sides, firm, ovate—obovate, the proportions varying in centimeters 7:6, 7:5.5, 6:4.5, 6:4, 5:4, 5:3, 4:5.4, 4:5.3, and 4:3, the outline generally becoming narrowed or more or less acute or cuneiform toward the base, with an acute apex at least in young leaves (a rounded or notched apex often caused by some injury to the top), and an irregular dentation of the margin from the middle to the apex. Besides, mature leaves present quite variable outlines. Flowering racemes 2-3 cm. long, pedicels 0.5—1 cm. long; sepals triangular-lanceolate or broader; petals spathulate, 5-6 mm. long. Fruiting raceme 5 cm. long. Pome small, 5 mm. in diameter (but only one seen). Winter buds pubescent.

Apt to be found on hillsides covered with a dense wooded vegetation. The type was collected by the writer on May 15 and Sept. 3, 1918 in the Turtle Mountains of Rolette Co.

Insert after no. 599, *Oxyacantha chrysocarpa*:

1282. *Oxyacantha mollis* (T. & G.) Lunell. *Crataegus mollis*

(T & G.) Scheele, *Linnaea*, 21:569. (1848.) Fargo (O. A. Stevens).

1283. *Oxyacantha succulenta* (Schrad.) Lunell. *Crataegus succulenta* Schrad. Turtle Mountains.

1284. *Oxyacantha Howellii* (Heiser) Lunell. *Crataegus Howellii* Heiser, nom. nov. *Crataegus columbiana* Howell Fl. N. W. Amer. 163. (1903), not *C. columbiana* Sargent in Coult. Bot. Gaz. XXXI:229. (1901). Sargent's plant is from Columbia, Texas. *O. Howellii* grows in N. D. acc. to Rydb. Fl. R. M. 450. (1917).

607. *Amorpha angustifolia* (Pursh) Boynton in Biltmore Bot. Studies 1:139. *A. fruticosa* Coult., not L.

657. *Aragallus angustatus* Rydb. Bull. Torr. Bot. Club 34:421-4. (1907) is declared in Fl. R. M. 521. (1917) to be a synonym antedating my plant, which Dr. Nelson in 1908 acknowledged as a valid new species. In his manual of 1909 he made *A. angustatus* a synonym of *A. Lamberti*. It is probable that none but perhaps Dr. Rydberg has seen both species.

1242. *Hedysarum cinerascens* Rydb. Mem. N. Y. Bot. Gar. I:257. (1900).

1285. *Linum pratense* (Norton) Small in N. Am. Fl. XXV:69. (1907). Our plant seems to belong here, not to *L. Lewisii*. Leeds, York.

Insert before no 602, *Nezera sulcata*:

#### ANALYTICAL KEY.

Perennial, branched from the base, fruiting pedicels 4-6 mm.

long ..... *N. compacta*.

Annual, simple or branched above, fruiting pedicels 2-3 mm

long ..... *N. sulcata*

1286. *Nezera compacta* (A. Nels.) Lunell. *Linum compactum* A. Nels. in Bull. Torr. Bot. Club 31:241. (1904). Leeds, York.

Insert after no. 707, *Celastrus scandens*:

1287. *Euonymus atropurpureus* Jacq. Hort. Vind. 2:5, pl. 120. (1772).

In the sandhills near Anselm, Ransom Co. (O. A. Stevens).

Insert next after 736, *Lophion Rydbergii*:

1288. *Lophion rugulosum* (Greene) Lunell. *Viola rugulosa* Greene, Pittonia V:26 (1887). Nearly related to *L. Rydbergii* and perhaps within our area.

Insert next after no. 740, *Nuttallia decapetala*:

1289. *Mentzelia oligosperma* Nutt.; T. & G. Fl. N. A. I:533. (840). N. D. acc. to Rydb. Fl. R. M. 574. (1917).

744. *Elaeagnus commutata* Beruh, in Allg. Thuer. Gartenz II:137. (1843).

Insert next before no. 762: *Epilobium adenocaulon*:

1290. *Epilobium americanum* Haussk. in Oestr. Bot. Zeitschr. XXIX:118. (1879).

*Epilobium adenocaulon perplexans* Rydb. scarcely Trelease. York.

1291. *Cogswellia montana* (C. & R.) Jones. Contr. West. Bot. 12:34. (1908). N. D. acc. to Rydb. Fl. R. M. 626.

1292. *Cogswellia macrocarpa* (Nutt.) Jones l. c. 33. Dunsieith. Insert before no. 790, *Ossea instolonea*:

1293. *Ossea interior* (Rydb.) Lunell. *Sida interior* Rydb. in Bull. Torr. Bot. Club 572. (1904). Turtle Mountains.

1294. *Meadia salina* (A. Nels.) Lunell *Dodecatheon salinum* A. Nels. Bull. Torr. Bot. Club 28:227. (1901). White Earth.

814. *Anthopogon tonsus* (Lunell) Rydb. in Fl. R. M. 659. (1917).

Insert next after no. 817, *Amarella acuta*:

1295. *Amarella scopulorum* Greene. Leaflets I:55. (1904) Under this name no doubt ought to be known the plant from Pleasant Lake referred to under no. 817. Under the latter number I would refer to a species found by me in the Turtle Mountains, as it resembles closely specimens in my herbarium collected by Prof. Fernald in Maine.

MENYANTHES Linn. Sp. Pl. 145. (1753)

1296. *Menyanthes trifoliata* Linn. l. c. In the sandhills of Anselm, Ransom Co. (O. A. Stevens).

Insert next after no. 846, *Fonna Hoodii*:

1297. *Fonna andicola* (Britton) Lunell. *Phlox andicola* (Britt.) E. Nels. Rev. W. N. A. Phloxes II. (1899). *Phlox Douglasii andicola* Britt. Mem. Torr. Bot. Club 5:269. 1894).

Specimens with calyx tube 2mm. and its teeth 3mm., corolla tube 8mm. (thus being 3mm longer than the entire calyx), limb of corolla 10-14mm. wide. We place them here with hesitation, as they have not the erect, white stems of *P. andicola*. Leeds.

854. *Heliotropium spathulatum* Rydb. Bull. Torr. Bot. Club 30:262. (1908). *H. curassavicum* Hook, not L.

1298. *Oreocarya perennis* (A. Nels.) Rydb. *O. affinis perennis* A. Nels. Erythea 7:67. (1899). N. D. acc. to Rydb. Fl. R. M. 722. Perhaps a better name for our no. 861.



1299. *Amsinckia intermedia* F. & M.; DC. Prodr. X:117.  
 Gray, Bot. Calif. 1.525. Rugby (O. A. Stevens).  
 884. *Dracocephalum Nuttallii* Britton.  
 895. *Mentha glabrior* (Hook.) Rydberg.  
 1300. *Scrophularia dakotana* Lunell, sp. nov.

## ANALYTICAL KEY.

- A. Leaf-blades hastately lobed at the base.  
 B. Branches of the inflorescence densely glandular-puberulent;  
 upper lip of the corolla much shorter than the tube.....*S. occidentalis*  
 A. Leaf-blades not hastately lobed at the base.  
 B. Branches of the inflorescence densely glandular-  
 puberulent; upper lip of the corolla only slightly  
 shorter than the tube.....2. *S. dakotana*  
 B. Branches of the inflorescence sparingly glandular-puber-  
 ulent; upper lip of the corolla as long as the tube.....3. *S. leporella*

Caulis perennis, robustus, quadrangularis,  $\frac{1}{4}$ -2m. altus, inflorescentia glandulari-puberulenta. Foliae lanceolata vel ovata, bis serrata, acuta, basi rotundata vel cordata neque hastate lobata, nervis subtus puberulentis, praeterea glabra, 5-15cm. longa, 7 petiolis 1-2 cm. longis. Calyx 3mm altus, lobis 1-5mm altis. Corolla purpureo-flavo-viridis, 11mm. alta; tubus 6mm. altus, calice duplo longior; labia gemina superiora 5mm. longa, erect, oblonga; labia gemina lateralia erecta, inferius reflexum, 3mm. longua. Stamen sterile glabrum, obscure viride, squama ovata obscure viridi latiore quam longa ornatum. Capsula 3-7mm. longa, basi ovata conica.

Stem perennial, stout, square-angled,  $\frac{1}{4}$ -2m. high, glandular-puberulent in the inflorescence. Leaves broadly lanceolate or ovate, doubly serrate, acute, the base rounded or, in the larger leaves, cordate, not hastately lobed at the base, puberulent on the nerves beneath, else glabrous, 5-15 cm. long, on petioles 1-2 cm. long. The entire calyx 3mm. high, its lobes 1.5 mm. high. Corolla purplish-yellowish-green, 11mm. high; its tube 6mm. high, twice as long as the calyx; its 2 upper lips 5mm long, erect, oblong, its 2 lateral or lips erect, the lower one reflexed, 3mm. long. Sterile stamen glabrous, dark green with a dark green ovoid scale, which is broader than long, Capsule 3-7mm. long, conical with an ovoid base.

Growing in high ground on prairies. Collected by the writer at Leeds, Benson Co.

1301. *Pentstemon glaber* Pursh, Fl. Am. Sept. 2:738. (1814).  
 N. D. acc. to Rydb. Fl. R. M. 769.

1302. *Agoseris scorzoneraefolia* Greene, Pittonia 2-177.  
 (1891). Butte, Minnewaukan.

997. *Ambrosia elatior* Linn. *A. artemisiaefolia* a. Gray, not Linn.

1007. *Vernonia corymbosa* Schwein. *V. fasciculata* Coult.  
 not Michx.



1303. *Laciniaria punctata* (Hook.) Kuntze, var. *turgida*, Lunell, var. nov.

Terminal head many times larger than the other heads. Leeds, Sept. 2, 1918.

1304. *Laciniaria scariosa* (Linn.) Hill, var. *inconcinna* var. nov. Several lower leaves are shorter than the next upper ones in the series. Leeds, August 27, 1918.

Insert after no. 1041, *Chrysopsis Bakeri*:

1305. *Chrysopsis hirsutissima* Greene, Pittonia 4:153. (1900). N. D. acc. to Rydb. Fl. R. M. 851. (1917).

Insert after no. 1075, *Aster puniceus*:

1306. *Aster Forwoodii* S. Wats. Turtle Mountains.

1125. *Doellingeria pubens* (A. Gray) Rydb. in Bull. Torr. Bot. Club XXXVII:147. (1910).

FILAGO Linn. Sp. Pl. 927. (1753).

1307. *Filago prolifera* (Nutt.) Britt. Mem. Torr. Bot. Club V:329. (1894), acc. to Nelson's Man. 1909.

1308. *Silphium laciniatum* Linn. Sp. Pl. 919. (1753). N. D. acc. to Gray Man. VII.

1155. *Coreopsis Atkinsoniana* Dougl., Lindl. Bot. Reg. t. 1379. 1164. Pursh, Fl. Am. Sept. 2:742. (1814). *Hymenopappus tenuifolius*.

1166. *Tetranneuris acaulis* (Pursh) Greene, Pittonia III:265, (1898). *Actinella acaulis* (Pursh).

1309. *Artemisia Bourgeauana* Rydb. in Bull. Torr. Bot. Club XXXVII:454. (1910). N. D. acc. to Rydb. Fl. R. M. 966. (1917).

1197. *Arnica pedunculata* Rydb. Bull. Torr. Bot. Club 24:297. (1897). Dickinson.

1310. *Arnica pedunculata* var. *monocephala* (Rydb.) Lunell, var. nov.

*Arnica monocephala* Rydb. Mem. N. Y. Bot. Gard. I:435. (1900). Dunsieith.

1203. Without having access to the types Dr. Greene referred this plant to *S. Purshianus* for geographical reasons. Later Dr. Greenman compared it with the types of both *S. Purshianus* and *S. canus* and decided in favor of the latter. Vide no. 1311 also.

1311. *Senecio canus* var. *eradiatus* var. nov. Heads discoid. Butte, Benson Co., not infrequent among related plants.

Leeds, North Dakota.

## Birds Found in Northern Indiana and Southern Michigan

BY BROTHER ALPHONSUS, C. S. C.

The species of birds in this list were seen by the writer in the period between March, 1905 and September, 1918. That the number of species is not larger is due to the scarcity of water and shore birds in the places where the writer has done his observing. Other observers in localities where there are marshes can easily find two hundred species of birds. In this list there are omissions of certain species that were published by the writer in previous articles in the *American Midland Naturalist*. These omissions were made because the records of the species were afterwards found to be erroneous. Any species, then, not included in the present list are not vouched for by the writer as having been reliably recorded.

1. Bittern	<i>Botaurus lentiginosus</i>
2. Blackbird, Red-winged	<i>Agelaius phoeniceus</i>
3. Blackbird, Rusty	<i>Scolecophagus carolinus</i>
4. Bluebird	<i>Sialia sialis</i>
5. Bobolink	<i>Dolichonyx oryzivorus</i>
6. Bobwhite	<i>Colinus virginianus</i>
7. Canvasback	<i>Aythya vallisneria</i>
8. Cardinal	<i>Cardinalis virginianus</i>
9. Catbird	<i>Galeoscoptes carolinensis</i>
10. Cedarbird	<i>Ampelis cedrorum</i>
11. Chat, Yellow-breasted	<i>Icteria virens</i>
12. Chickadee	<i>Parus atricapillus</i>
13. Coot	<i>Fulica americana</i>
14. Cowbird	<i>Molothrus ater</i>
15. Creeper, Brown	<i>Certhia familiaris americana</i>
16. Crow	<i>Corvus americanus</i>
17. Cuckoo, Black-billed	<i>Coccyzus erythrophthalmus</i>
18. Cuckoo, Yellow-billed	<i>Coccyzus americanus</i>
19. Dickcissel	<i>Spiza americana</i>
20. Dove, Mourning	<i>Columbigallina passerina terrestris</i>
21. Duck, Scaup	<i>Aythya marila nearctica</i>
22. Finch, Purple	<i>Carpodacus purpureus</i>
23. Flicker	<i>Colaptes auratus</i>

- |                                |                                       |
|--------------------------------|---------------------------------------|
| 24. Flycatcher, Acadian        | <i>Empidonax virescens</i>            |
| 25. Flycatcher, Alder          | <i>Empidonax traillii alnorum</i>     |
| 26. Flycatcher, Crested        | <i>Myiarchus crinitus</i>             |
| 27. Flycatcher, Least          | <i>Empidonax minimus</i>              |
| 28. Flycatcher, Yellow-bellied | <i>Empidonax flaviventris</i>         |
| 29. Gnatcatcher, Blue-gray     | <i>Polioptila caerulea</i>            |
| 30. Goldfinch                  | <i>Spinus tristis</i>                 |
| 31. Goose, Canada              | <i>Branta canadensis</i>              |
| 32. Grackle, Bronzed           | <i>Quiscalus quiscula aeneus</i>      |
| 33. Grebe, Pied-billed         | <i>Podilymbus podiceps</i>            |
| 34. Grosbeak, Evening          | <i>Coccythraustes vespertinus</i>     |
| 35. Grosbeak, Pine             | <i>Pinicola enucleator</i>            |
| 36. Grosbeak, Rose-breasted    | <i>Habia ludoviciana</i>              |
| 37. Grouse, Ruffed             | <i>Bonasa umbellus</i>                |
| 38. Gull, Herring,             | <i>Larus argentatus smithsonianus</i> |
| 39. Gull, Franklin's,          | <i>Larus franklini</i>                |
| 40. Gull, Bonaparte's,         | <i>Larus philadelphia</i>             |
| 41. Hawk, Red-shouldered       | <i>Buteo lineatus</i>                 |
| 42. Hawk, Red-tailed,          | <i>Buteo borealis</i>                 |
| 43. Hawk, Fish,                | <i>Pandion haliaetus carolinensis</i> |
| 44. Hawk, Sparrow,             | <i>Falco sparverius</i>               |
| 45. Heron, Great Blue,         | <i>Ardea herodias</i>                 |
| 46. Heron, Little Green,       | <i>Ardea virescens</i>                |
| 47. Hummingbird,               | <i>Trochilus colubris</i>             |
| 48. Indigo Bird.               | <i>Passerina cyanea</i>               |
| 49. Jay, Blue,                 | <i>Cyanocitta cristata</i>            |
| 50. Junco, Montana,            | <i>Junco hyemalis montanus</i>        |
| 51. Junco, State-colored,      | <i>Junco hyemalis</i>                 |
| 52. Killdeer,                  | <i>Aegialitis vocifera</i>            |
| 53. Kingbird,                  | <i>Tyrannus carolinensis</i>          |
| 54. Kingfisher, Belted,        | <i>Ceryle alcyon</i>                  |
| 55. Kinglet, Ruby-crowned,     | <i>Regulus calendula</i>              |
| 56. Kinglet, Golden-crowned,   | <i>Regulus satrapa</i>                |
| 57. Lark, Prairie Hornead      | <i>Octocoris alpestris</i>            |
| 58. Loon,                      | <i>Urinator imber</i>                 |

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|--------------------------------|---|
| 59. Mallard,                   | <i>Anas boschas</i>                     |
| 60. Martin, Purple,            | <i>Progne subis</i>                     |
| 61. Meadowlark,                | <i>Sturnella magna</i>                  |
| 62. Merganser, Hooded,         | <i>Lophodytes cucullatus</i>            |
| 63. Night Hawk,                | <i>Chordeiles virginianus</i>           |
| 64. Nuthatch, Red-breasted,    | <i>Sitta canadensis</i>                 |
| 65. Nuthatch, White-breasted,  | <i>Sitta carolinensis</i>               |
| 66. Oriole, Baltimore          | <i>Icterus galbula</i>                  |
| 67. Oriole, Bullock's          | <i>Icterus bullocki</i>                 |
| 68. Oriole, Orchard,           | <i>Icterus spurius</i>                  |
| 69. Oven-bird,                 | <i>Seiurus aurocapillus</i>             |
| 70. Owl, Screech,              | <i>Megascops asio</i>                   |
| 71. Pewee, Wood,               | <i>Contopus virens</i>                  |
| 72. Phoebe,                    | <i>Sayornis phoebe</i>                  |
| 73. Plover, Upland,            | <i>Bartramia longicauda</i>             |
| 74. Rail, Carolina,            | <i>Porzana carolina</i>                 |
| 75. Rail, King,                | <i>Rallus elegans</i>                   |
| 76. Redpoll,                   | <i>Acanthis linaria</i>                 |
| 77. Robin,                     | <i>Merula migratoria</i>                |
| 78. Sandpiper, Spotted,        | <i>Actilis macularia</i>                |
| 79. Sandpiper, Solitary,       | <i>Totanus solitarius</i>               |
| 80. Sapsucker, Yellow-bellied, | <i>Sphyrapicus varius</i>               |
| 81. Shrike, Loggerhead,        | <i>Lanius ludovicianus</i>              |
| 82. Shrike, Northern,          | <i>Lanius borealis</i>                  |
| 83. Siskin, Pine,              | <i>Spinus pinus</i>                     |
| 84. Snipe, Wilson,             | <i>Gallinago delicata</i>               |
| 85. Snowflake,                 | <i>Plectrophenax nivales</i>            |
| 86. Sparrow, chipping,         | <i>Spizella sociales</i>                |
| 87. Sparrow, Field,            | <i>Spizella pusilla</i>                 |
| 88. Sparrow, Fox,              | <i>Passerella iliaca</i>                |
| 89. Sparrow, Grasshopper,      | <i>Ammodramus savannarum passerinus</i> |
| 90. Sparrow, Henslow,          | <i>Ammodramus henslowii</i>             |
| 91. Sparrow, Lark,             | <i>Chondestes grammacus</i>             |
| 92. Sparrow, Lincoln's,        | <i>Melospiza lincolni</i>               |
| 93. Sparrow, Savanna           | <i>Ammodramus sandwichensis savanna</i> |
| 94. Sparrow, Song,             | <i>Melospiza fasciata</i>               |
| 95. Sparrow, Swamp,            | <i>Melospiza georgiana</i>              |

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|--------------------------------|-------------------------------------|
| 96. Sparrow, Tree,             | <i>Spizella monticola</i>           |
| 97. Sparrow, Vesper            | <i>Pooecetes gramineus</i>          |
| 98. Sparrow, White-crowned,    | <i>Zonotrichia leucophrys</i>       |
| 99. Sparrow, White-throated,   | <i>Zonotrichia albicollis</i>       |
| 100. Swallow, Bank,            | <i>Clivicola riparia</i>            |
| 101. Swallow, Barn,            | <i>Chelidon erythrogaster</i>       |
| 102. Swallow, Eave,            | <i>Petrochelidon lunifrons</i>      |
| 103. Swallow, Rough-winged,    | <i>Stelgidopteryx serripennis</i>   |
| 104. Swallow, Tree,            | <i>Tachycineta bicolor</i>          |
| 105. Swift, Chimney,           | <i>Chaetura pelagica</i>            |
| 106. Swan, Trumpeter,          | <i>Olor buccinator</i>              |
| 107. Tanager, Scarlet,         | <i>Piranga erythromelas</i>         |
| 108. Tanager, Summer           | <i>Piranga rubra</i>                |
| 109. Thrasher, Brown,          | <i>Harporhynchus rufus</i>          |
| 110. Thrush, Gray-cheeked,     | <i>Turdus aliciae</i>               |
| 111. Thrush, Hermit,           | <i>Turdus aonalaschkae pallasii</i> |
| 112. Thrush, Louisiana Water,  | <i>Seiurus motacilla</i>            |
| 113. Thrush, Olive-backed      | <i>Turdus ustulatus swainsonii</i>  |
| 114. Thrush, Wilson's          | <i>Turdus fuscescens</i>            |
| 115. Thrush, Wood,             | <i>Turdus mustelinus</i>            |
| 116. Titmouse, Tufted          | <i>Parus bicolor</i>                |
| 117. Towhee,                   | <i>Pipilo erythrophthalmus</i>      |
| 118. Vireo, Blue-headed,       | <i>Vireo solitarius</i>             |
| 119. Vireo, Red-eyed,          | <i>Vireo olivaceus</i>              |
| 120. Vireo, Warbling,          | <i>Vireo gilvus</i>                 |
| 121. Vireo, White-eyed,        | <i>Vireo noveboracensis</i>         |
| 122. Vireo, Yellow-throated,   | <i>Vireo flavifrons</i>             |
| 123. Warbler, Bay-breasted,    | <i>Dendroica castanea</i>           |
| 124. Warbler, Black and White, | <i>Mniotilta varia</i>              |
| 125. Warbler, Black-burnian,   | <i>Dendroica blackburniae</i>       |
| 126. Warbler, Black-pall,      | <i>Dendroica striata</i>            |

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|-------------------------------------|-----------------------------------|
| 127. Warbler, Black-throated Blue   | <i>Dendroica caerulescens</i>     |
| 128. Warbler, Black-throated Green, | <i>Dendroica virens</i>           |
| 129. Warbler, Canadian,             | <i>Sylvania canadensis</i>        |
| 130. Warbler, Cape May,             | <i>Dendroica tigrina</i>          |
| 131. Warbler, Connecticut           | <i>Geothlypis agilis</i>          |
| 132. Warbler, Chestnut-sided,       | <i>Dendroica pensylvanica</i>     |
| 133. Warbler, Golden-winged,        | <i>Helminthophila chrysoptera</i> |
| 134. Warbler, Kentucky,             | <i>Geothlypis formosa</i>         |
| 135. Warbler, Magnolia,             | <i>Dendroica maculosa</i>         |
| 136. Warbler, Mourning,             | <i>Geothlypis philadelphia</i>    |
| 137. Warbler, Mrytle,               | <i>Dendroica coronata</i>         |
| 138. Warbler, Nashville,            | <i>Helminthophila ruficapilla</i> |
| 139. Warbler, Orange, crowned,      | <i>Helminthophila celata</i>      |
| 140. Warbler, Palm,                 | <i>Dendroica palmarum</i>         |
| 141. Warbler, Parula,               | <i>Compsothlypis americana</i>    |
| 142. Warbler, Pine,                 | <i>Dendroica vigorsii</i>         |
| 143. Warbler, Prairie,              | <i>Dendroica discolor</i>         |
| 144. Warbler, Sycamore,             | <i>Dendroica albilora</i>         |
| 145. Warbler, Tennessee,            | <i>Helminthophila peregrina</i>   |
| 146. Warbler, Wilson,               | <i>Sylvania pusilla</i>           |
| 147. Warbler, Yellow                | <i>Dendroica aestiva</i>          |
| 148. Whip-poor-will,                | <i>Antrostomus vociferus</i>      |
| 149. Woodpecker, Downy              | <i>Dryobates pubescens</i>        |
| 150. Woodpecker, Hairy,             | <i>Dryobates villosus</i>         |
| 151. Woodpecker, Red-headed,        | <i>Melanerpes erythrocephalus</i> |
| 152. Wren, Carolina,                | <i>Thryothorus ludovicianus</i>   |
| 153. Wren, House,                   | <i>Troglodytes aëdon</i>          |
| 154. Wren, Long-billed Marsh,       | <i>Cistothorus palustris</i>      |
| 155. Wren, Winter,                  | <i>Troglodytes hiemalis</i>       |
| 156. Yellowlegs, Lesser,            | <i>Totanus flavipes</i>           |
| 157. Yellowthroat, Maryland,        | <i>Geothlypis trichas</i>         |

# INDEX.

Abbreviations.—*n. g.*, New Genus; *n. n.*, New Name; *n. s.*, New Combination; *n. s.*, New Species; *n. v.*, New Variety; *n. m.*, New Mutant.

Agalinis.....	7	Calcarius.....	48
Greenei, <i>n. s.</i> .....	7	Campanula intercedens var.....	12
Agelena.....	14	Caprifoliaceae.....	11
Amelanchier leptodendron, <i>n. s.</i> .....	000	Caprifolium.....	12
Androcera.....	225	glaucescens, <i>n. c.</i> .....	12
Angiopteris.....	93	tataricum, <i>n. c.</i> .....	12
sensibilis.....	93	Cardiaca.....	1
Antennaria.....	210	Cardinalis.....	155
Aphyllon.....	9	Certhia.....	153
Aragallus.....	211	Chamisme.....	11
Arcion.....	70	ciliolata.....	11
Argiope.....	142	Chamaemelum.....	67
Arnica.....	209	"Circles Fairy".....	230
Aster.....	45	Compositi.....	35
chelonicus, <i>n. s.</i> .....	45	Compsothlypis.....	130
clivurum, <i>n. s.</i> .....	55	Corvus.....	139
lautus prionoides, <i>n. v.</i> .....	55	Cunigunda.....	35
jacobaeus, <i>n. s.</i> .....	56	perfoliata, <i>n. c.</i> .....	135
paniculatus polychrous.....	55	purpurea, <i>n. c.</i> .....	35
Astragalinus.....	153	Cyanocitla.....	139
Astur.....	50	Daluca campestris, <i>n. c.</i> .....	234
Atrypa reticularis alta, <i>n. v.</i> .....	216	Dakota Plants.....	1, 31, 56, 93
Bermudiana.....	234	Dates of Flowering of Plants.....	71,
Bidens vulgata schizantha, <i>n. v.</i> .....	65	98, 113	
Birds.....	14, 46, 52,	Dendroica.....	130, 131, 132, 133, 134
88, 139, 150, 178, 206, 225, 242		Doria Species, <i>n. c.</i> .....	42, 43, 144
Bivalves.....	65	Douvillina arcuata maxima, <i>n. v.</i> .....	215
Blue Rapids, Plants of.....	71,	Dryobates.....	151, 155
98, 113, 201		Elliptio.....	28
Book Review.....	209	Euthamia.....	157
Botrys nudata, <i>n. s.</i> .....	95	bracteata, <i>n. s.</i> .....	172
Brachiopods.....	213	camporum, <i>n. s.</i> .....	167
Branta.....	47	chrysanthemoides.....	172
Calamites.....	147	fastigiata, <i>n. s.</i> .....	164
cruciatus Harrisonii, <i>n. v.</i> .....	147	graminifolia.....	172
Fettermanni, <i>n. s.</i> .....	149	gymnospermoides.....	169, 171, 172
multifoliatus, <i>n. s.</i> .....	148	hirtella.....	159
ramosus.....	149	leptocephala.....	159



- media.....160, 166  
 occidentalis.....173  
 tenuifolia.....171, 173, 174  
 Falco.....154  
 Flood Plain.....196  
 Flora of Manhattan, Kansas, and  
   Blue Rapids.....71, 98, 113, 201  
   Colorado.....209  
   Dakota.....1, 31, 56, 93  
 Floydia.....221  
 Floydia.....221, 222  
   concentrica.....221  
   multisinuata, n. v.....223  
 Gastropods.....213  
 Geothlypis.....133  
 Glaucoides, n. v.....97  
 Gonodia, n. n.....33  
   pulvinata, n. c.....30  
 Gratiola.....30  
 Helianthus nitidus trifolius, n. v.....63, 64  
 Hesperiphona.....155  
 Heterothrix.....224  
 Hippocastanum, n. v.....97  
 Icteria.....135  
 Junco.....151  
 Kulmites, n. n.....52  
   Fischeri, n. c.....52  
 Kuhnna jacobaea, n. s.....36  
 Laciniaria.....36  
   fallacior, n. c.....38  
   celosioides, n. v.....38  
   scariosa annuens, n. v.....40  
   composita, n. v.....40  
   crista galli, n. v.....40  
   exuberans, n. v.....39  
   immanis, n. v.....40  
   singularis n. v.....39  
 Lapathum.....235  
 LeConte.....30a  
   Bibliography of.....137  
   Biography of.....135  
 Lentibularia intermedia, n. c.....9  
   vulgaris americana, n. c.....9  
 Lepadenia.....225  
 Leptostachya.....9  
 Lesquerella.....210, 211  
 Leucoma.....225  
 Lobelia.....211  
   Teratology of.....231  
 Lophion.....238  
 Manhattan, Plants of.....71, 99, 113, 201  
 Martindale, Isaac C.....30a  
 Melanerpes.....150  
 Melospiza.....153  
 Miranda.....142  
   aurantia.....142  
   Synonymy of.....143  
 Mnioitila.....129  
 Myriactis.....30  
 Naiades.....27  
 Naiadogeography.....26  
 Naticopsis.....222  
 Nephronaias.....28  
 Nezera.....238  
 Nycterium.....4, 225  
   rostratum.....4  
 Obeliscotheca.....62  
   ampla, n. c.....62  
   flava, n. c.....62  
   perbracteata, n. c.....62  
 Onoclea, Teratology of.....231  
 Oporornis.....133, 134  
 Ormenis Cotula.....6  
 Ornithology.....46  
 Ossea.....239  
 Otus.....155  
 Oxyacantha.....237  
   Howellii, n. c.....238  
 Paneion palustre.....94  
 Pennellia, n. n.....22c  
   micrantha, n. c.....242  
 Penthestes.....152  
 Peritoma serrulatum clavatum, n. v.....236  
 Petromarula.....13  
   hirtella, n. c.....13  
   strictiflora, n. c.....13  
 Physaria.....211  
 Physarum.....230  
 Phasianus.....47  
 Phytosalpinx, n. n.....2  
   americana, n. c.....2  
   aspera, n. c.....2  
   lucida, n. c.....2

Pilosella.....	34	Sturnella.....	154
umbellata, n. c.....	34	Taenidium.....	
Plants, Collecting of.....	191	Taraxacum minus subscaposum, 5	
Herborizing.....	191	n. v.....	31
Drying.....	191	Teratology of Plants.....	156, 123
Pressing.....	192	Tessenia, n. n.....	58
Mounting of.....	194	aspera appressa, n. v.....	58
Plectrophena.....	15v	subintegra, n. c.....	58
Plectornis virescens n. c.....	235	oligodonta acuminata, n. v... 58	
Pleurobema.....	29	roseata, n. v.....	59
Polygonatum commutatum line-		philadelphica acaulescens,	
amentosum, n. v.....	94	n. v.....	59
Pontia vulgaris.....	67	racemosa arcuata, n. v.....	60
Quadrula.....	30	simplicissima, n. v.....	60
Quiscalus.....	154	Species, n. c.....	58, 59, 60
Resinocaulon, n. n.....	62	Tetraith.....	1
perfoliatum, n. c.....	62	Thamnum.....	50
Rotundaria.....	30	Thamnobryum, n. n.....	50
Rudbeckia.....	211	Species, n. c.....	51
Santolina suavelolens.....	67	Thelypodium.....	224
Scrophularia dakotana, n. s.....	240	Toxicodendron, Teratology of.....	156
Seiurus.....	135	Truncilla.....	29
Senecio canus eradiatus, n. v.....	241	Utricularia.....	30a
Setophaga.....	135	Vermivora.....	129, 130
Shells.....	26	Villania, n. n.....	51
Sitta.....	140	Villania, n. n.....	51
Spirifer syrtinaformis Helenae,		flava, n. c.....	51
n. v.....	216	lobata, n. c.....	52
orestes Websteri, n. v.....	217	turneriana, n. c.....	52
Whitneyi gradatus, n. m... 219		Viola.....	30a
productus, n. m.....	220	Warblers.....	129
rockfordensis, n. v.....	219	Wilsonia.....	134
Spizella.....	52	Winteria.....	30
Stramonium foetida, n. c.....	52	Zeia albescens, n. c.....	94
Stramonium foetids, n. c.....	4	Zonaria.....	51
Strophonella reversa gravis, n. v. 214		Zornia.....	51
Struthiopteris Cordi.....	93		



